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**PATENT**  
Attorney Docket No.: 061818-5002-US04  
Client Ref. No.: 98-207-5

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

On January 31, 2006

MORGAN, LEWIS and BOCKIUS LLP

By: Kathryn A. Deghertson

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

NICHOLAS L. ABBOTT, *et al.*

Application No.: 10/044,899

Filed: January 9, 2002

For: OPTICAL AMPLIFICATION OF  
MOLECULAR INTERACTIONS USING  
LIQUID CRYSTALS

Customer No.: 43850

Confirmation Number: 3817

Examiner: Celsa, Bennett M.

Technology Center/Art Unit: 1639

**RESPONSE TO OFFICE  
COMMUNICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants submit the following response to the Office communication mailed December 16, 2005. A one-month Extension of Time Request is enclosed with this response.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 19 of this paper.